CLAIMS

I Claim:

1. In a communication system, a method of transferring the floor between devices

engaged in network-based instant connect communication, comprising:

in a network-based instant connect communication session, transmitting voice

data from a first device that has the floor to a second device;

while the first device has the floor, responding to a floor request signal

originating from the second device by transferring the floor to the second device; and

transmitting voice data from the second device to the first device while the

second device has the floor.

2. The method of claim 1, wherein the floor request signal originating from the

second device is generated in response to a user of the second device pressing a talk button of

the second device.

3. The method of claim 1, further comprising, while the second device has the

floor, responding to a floor request signal originating from the first device by transferring the

floor back to the first device.

4. The method of claim 3, wherein the floor request signal originating from the

first device is generated in response to a user of the first device pressing a talk button of the

first device.

5. The method of claim 1, wherein the floor is transferred to the second device

without the first device having relinquished the floor.

6. The method of claim 5, wherein the floor is transferred to the second device in a

way that interrupts transmission of the voice data from the first device to the second device and

while a user of the first device continues pressing the talk button of the first device.

7. The method of claim 1, wherein the network-based instant connect

communication session is conducted as half-duplex communication in a network that also has

full-duplex communication capabilities.

8. The method of claim 1, further comprising establishing the network-based

instant connect communication session, including:

receiving a signal from the first device, the signal including a request to

establish the network-based instant connect communication session and information

identifying the second device;

granting the floor to the first device; and

receiving the voice data from the first device, the voice data being transmitted to

the second device in a way that automatically activates output of the voice data from the

second device without requiring input from a user of the second device.

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- 9. The method of claim 1, wherein:
 the communication system comprises a wireless network; and
 the first device and the second device are mobile devices.
- 10. The method of claim 1, wherein:
 the communication system comprises a wireline telephone network; and
 the second device is a speakerphone.
- 11. The method of claim 1, wherein the floor request signal is generated as a user of the second device presses a talk button of the second device, the second device maintaining the floor until either the talk button of the second device is released or a subsequent floor request signal originates from the first device.
- 12. The method of claim 1, wherein the floor request signal is generated as a user of the second device taps a talk button of the second device, the second device maintaining the floor after the talk button of the second device is tapped until a subsequent floor request signal originates from the first device.
- 13. The method of claim 1, wherein the communication system includes at least a third device that communicates with the first device and the second device and receives the voice data transmitted from the second device while the second device has the floor.

14. The method of claim 1, wherein:

floor control logic resides at a server in the communication network; and responding to the floor request signal originating from the second device is performed as the server receives the floor request signal.

15. The method of claim 1, wherein:

floor control logic resides at the first device and the second device; and responding to the floor request signal originating from the second device is performed as the first device receives the floor request signal that has been transmitted from the second device to the first device.

16. In a communication device that operates in a communication system, a method of obtaining the floor that is allocated between devices engaged in network-based instant

connect communication, comprising:

in a network-based instant connect communication session, receiving voice data

from a remote device;

while the remote device has the floor, generating a floor request signal and

transmitting the floor request signal to a server in the communication system;

in response to transmitting the floor request signal, obtaining the floor in the

network-based instant connect communication session.

17. The method of claim 16, wherein the floor request signal is generated in

response to a user of the communication device pressing a talk button of the communication

device.

18. The method of claim 16, further comprising losing the floor at the

communication device in response to an action taken by a user of the remote device, the floor

being lost at the communication device without the user of the communication device having

relinquished the floor.

19. The method of claim 18, wherein the floor is lost while the user of the

communication device continues to press a talk button of the communication device.

20. The method of claim 18, wherein the action comprises the user of the remote

device pressing a talk button of the remote device.

21. The method of claim 16, wherein the network-based instant connect

communication session is conducted as half-duplex communication in a network that also has

full-duplex communication capabilities.

22. The method of claim 16, further comprising establishing the network-based

instant connect communication session, including automatically outputting the voice data at the

communication device upon establishment of the network-based instant connect

communication session without requiring input from a user of the second device.

23. In a communication system, a method of modifying a network-based instant connect communication session such that floor control management is not needed to

communicate voice data, comprising:

establishing a network-based instant connect communication session between a

first device and a second device, including:

granting the floor to the first device; and

transmitting voice data from the first device to the second device using

half-duplex communication;

receiving input provided from a user of the second device in response to the

establishment of the network-based instant connect communication session; and

in response to the input, transitioning the network-based instant connect

communication session from half-duplex communication to full-duplex communication

that permits two-way communication without requiring the floor to be granted to either

the first device or the second device.

24. The method of claim 23, wherein the input comprises a talk button of the second

device being pressed by the user.

25. The method of claim 24, wherein:

the second device automatically begins to output the voice data when the

network-based instant connect communication session is established without requiring

assistance from the user; and

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the input is provided from the user after the second device automatically begins to output the voice data.

26. The method of claim 24, wherein the input is provided while the first device has the floor.

27. The method of claim 23, wherein the network-based instant connect

communication session is established using a network that inherently has the capability of

carrying communication on full-duplex communication channels.

28. The method of claim 23, wherein:

the communication system comprises a wireless network; and

the first device and the second device are mobile devices.

29. The method of claim 23, wherein:

the communication system comprises a wireline telephone network; and

the second device is a speakerphone.

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30. In a communication device that operates in a communication system, a method initiating modification of a network-based instant connect communication session such that

floor is not needed to communicate voice data, comprising:

at the establishment of the network-based instant connect communication

session, outputting voice data that has been received from a remote device, wherein:

the network-based instant connect communication is conducted as half-

duplex communication; and

the remote device has the floor;

transmitting, to a server in the communication system, input provided from a

user of the communication device in response to the establishment of the network-based

instant connect communication session, resulting in a transition of the network-based

instant connect communication session from half-duplex communication to full-duplex

communication that permits two-way communication without requiring the floor to be

granted to either the communication device or the remote device.

31. The method of claim 30, wherein the input comprises a button of the

communication device being pressed by the user.

32. The method of claim 30, wherein the input is provided while the first device has

the floor.

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33. The method of claim 30, wherein the network-based instant connect communication session is established using a network that inherently has the capability of carrying communication on full-duplex communication channels.

34. In a speakerphone that operates in a telephone network, a method of obtaining

the floor that is allocated between devices engaged in a telephone call comprising:

in the telephone call, receiving voice data at the speakerphone from a remote

device;

while the remote device has the floor, generating a floor request signal in

response to a talk button of the speakerphone being pressed; and

in response to the floor request signal, obtaining the floor at the speakerphone.

35. The method of claim 34, further comprising losing the floor at the speakerphone

in response to an action taken by a user of the remote device, the floor being lost at the

speakerphone without the user of the speakerphone having relinquished the floor.

36. The method of claim 34, wherein the speakerphone maintains the floor until

either the talk button of the speakerphone is released or a subsequent floor request signal

originates from the remote device.

37. The method of claim 34, wherein the floor request signal is generated as a user

of the speakerphone taps the talk button, the speakerphone maintaining the floor after the talk

button is tapped until a subsequent floor request signal originates from the remote device.

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